

ABSTRACT

A novel ACC synthase gene in geranium PHSacc-25. PHSacc-25 was identified by amplifying isolated mRNA using polymerase chain reaction, the resulting cDNAs were cloned into a plasmid, positive clones were isolated, and the cDNA insert was partially sequenced. A portion of the DNA sequence encoding for the enzyme ACC synthase in geranium plants (specifically from *Pelargonium hortorum* cv *Sincerity*) was identified. The cDNA sequence corresponds to a gene which may be important in the control of ethylene production.

5